

ABSTRACT OF THE DISCLOSURE

1                   Managing volatile storage of information, such as executable  
2 code within dynamic random access memory (DRAM) embedded within an  
3 application specific integrated circuit (ASIC), includes systematically checking  
4 the contents of the volatile memory during periods of extended inactivity.  
5 Volatile memory checking routines may be initiated on the basis of time, on  
6 the basis of a specific event, or on a combination of timing and event occur-  
7 rences. If a specific error condition is detected, the device in which the  
8 volatile memory resides may be automatically reinitialized, so that the corrupt  
9 executable code is not used. The information management techniques may  
10 be extended to other types of semi-permanent memory i.e., memory that is  
11 susceptible to losses in the form of soft errors.

10010391-12444001-D0002